

Claims

Claims 1-8. (Cancelled)

9. An organic EL display device comprising:

a dot-matrix type organic EL panel having a plurality of scanning lines and a plurality of drive lines;

a plurality of scanning arrangements corresponding to number of the plurality of scanning lines, each of the plurality of scanning arrangements connecting said scanning lines freely to a first potential or a second potential;

a drive switch arrangement for connecting said drive lines freely to a drive current source or an off potential; and

a control arrangement for causing said scanning switch arrangement to connect said scanning lines to said first

potential thereby to select said scanning lines sequentially and to control the connected state of said drive switch arrangement,

wherein each of said scanning switch arrangements includes a first transistor for connecting said scanning lines to said first potential, and a second transistor for connecting said scanning lines to said second potential, and

said control arrangement controls said first transistors of scanning switch arrangements, which are not selected for luminesce, to be connected to said first potential,

wherein the first potential changes depending upon numbers of pixels to luminesce on scanning lines that are selected for luminesce.

10. (Cancelled)

11. An organic EL display device as set forth in claim 9, wherein said control arrangement changes, according to the number of said drive lines to be connected to said drive current source, the bias voltage of said second transistor corresponding to said scanning lines connected to said second potential to become the unselected state, thereby to change said resistance.

12. An organic EL display device as set forth in claim 9, further comprising a temperature detecting arrangement for detecting the temperature of said organic EL panel thereby to output temperature data, and said control arrangement changes, according to the number of said drive lines to be connected

to said drive current source and said temperature data, said resistance of said scanning switch arrangement connected to said second potential.

Claims 13-16. (Cancelled)

17. An organic EL display device as set forth in claim 9, wherein said control arrangement changes, according to the number of said drive lines to be connected to said drive current source, the resistance of said second transistor corresponding to said scanning lines connected to said second potential to become an unselected state.